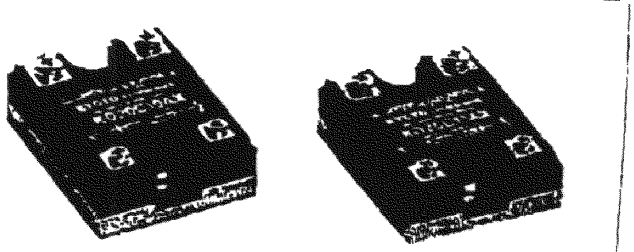
AC SOLID STATE RELAY

✓KD20C10AX
KD20C15AX
✓KD20C25AX
KD20C40AX

KD SERIES

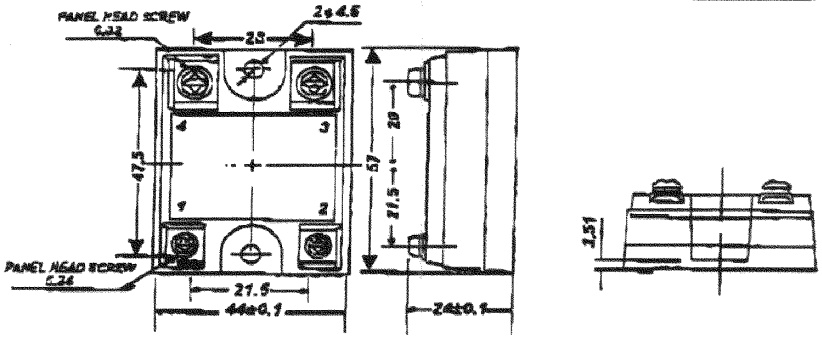


SPECIFICATIONS

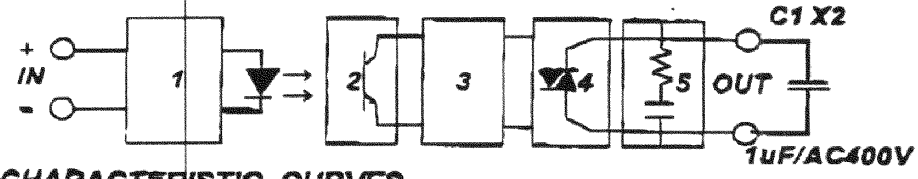
	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	10A	24-280VAC	600VAC	LESS 7.5 mA	47-70HZ	100A
	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	15A	24-280VAC	600VAC	LESS 7.5 mA	47-70HZ	160A
	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	25A	24-280VAC	600VAC	LESS 7.5 mA	47-70HZ	260A
	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	40A	24-280VAC	600VAC	LESS 7.5 mA	47-70HZ	400A

200 V/μ SEC	2.0VACrms	10^{11} ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	90 g
200 V/μ SEC	2.0VACrms	10^{11} ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	90 g
200 V/μ SEC	2.0VACrms	10^{11} ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	92 g
200 V/μ SEC	2.0VACrms	10^{11} ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	92 g

OUTLINE DIMENSIONS (unit:mm)

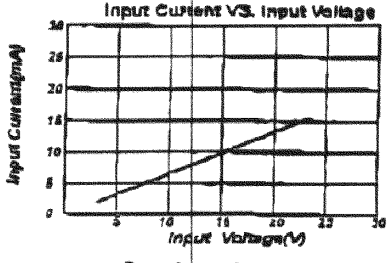


EQUIVALENT CIRCUIT



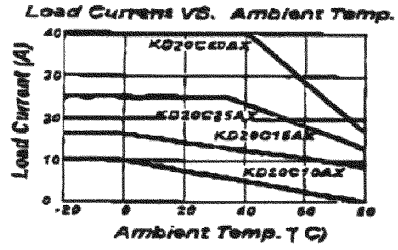
1.INPUT CIRCUIT
2.PHOTO DECTECTOR
3.ZERO-CROSS CIRCUIT
4.OUTPUT CIRCUIT
5.PROTECTED CIRCUIT

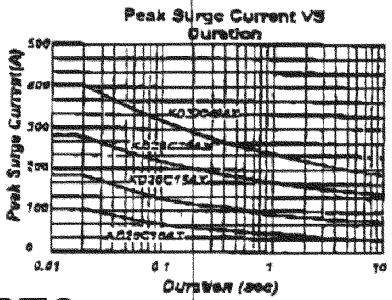
CHARACTERISTIC CURVES

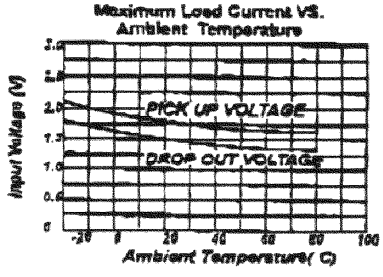


Attention:

In order to be in compliance with the EMC Directive an additional X2 capacitor at the output is required if the SSR is operated as single component. In case the SSR is incorporated in an appliance the existing EMI filter may provide the required EMI suppresion. The X2 capacitor must be placed as close as possible to the output terminals. See also above.



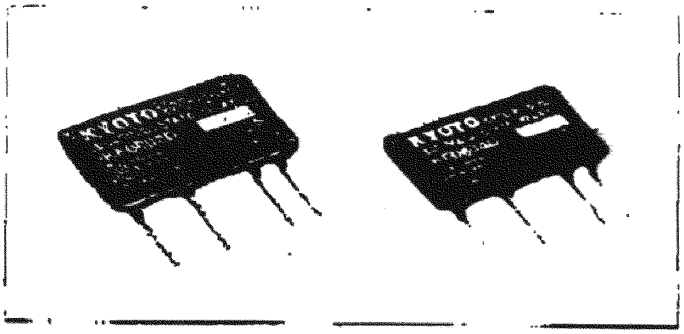




DC SOLID STATE RELAY

✓KF0602D
✓KF0604D

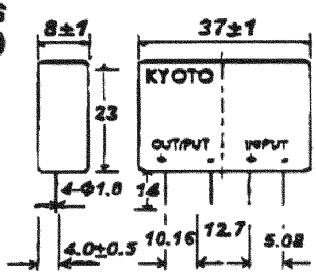
KF SERIES

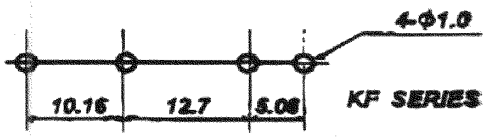


SPECIFICATIONS

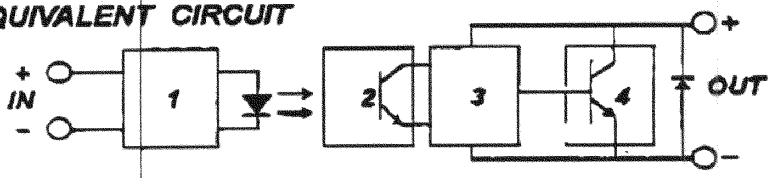
	3 TO 32 VDC	MAX1.0 VDC	1.5Kohm	2A	3~60VDC	60VDC	LESS 1 mA	47~70HZ	3A
	3 TO 32 VDC	MAX1.0 VDC	1.5Kohm	4A	3~60VDC	60VDC	LESS 1 mA	47~70HZ	6.5A
	200 V/μ SEC	1.2Vrms	10^4 ohm	2500Vrms	—	LESS 2mSec	LESS1/2cycle	LESS15pf	10 g
	200 V/μ SEC	1.2Vrms	10^7 ohm	2500Vrms	—	LESS 8mSec	LESS1/2cycle	LESS15pf	12 g

OUTLINE DIMENSIONS (unit:mm)



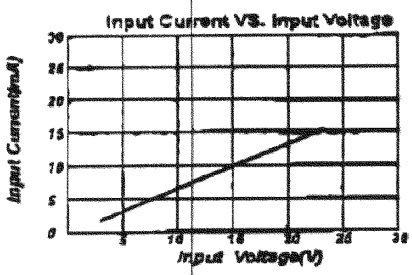


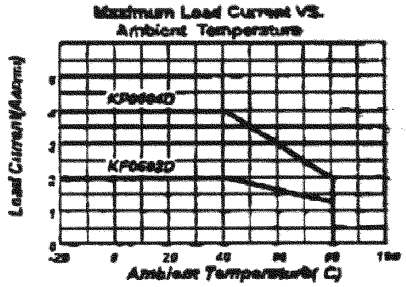
EQUIVALENT CIRCUIT

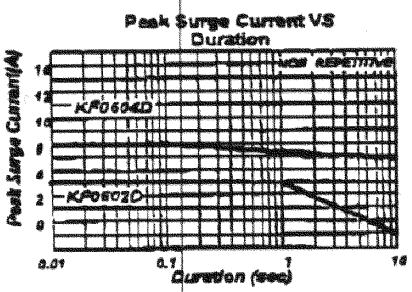


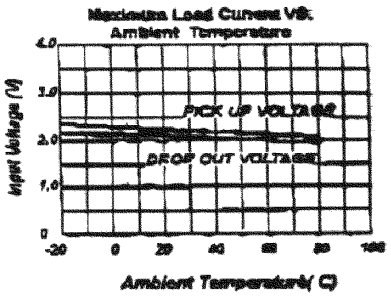
1.INPUT CIRCUIT
2.PHOTO DETECTOR
3.AMPLIFIER
4.PROTECTED CIRCUIT

CHARACTERISTIC CURVES





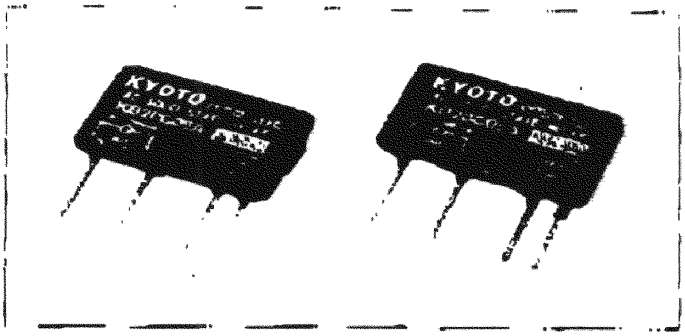




AC SOLID STATE RELAY

✓KB20C02A
KB20C03A
KB20C04A
KB20C06A

KB SERIES

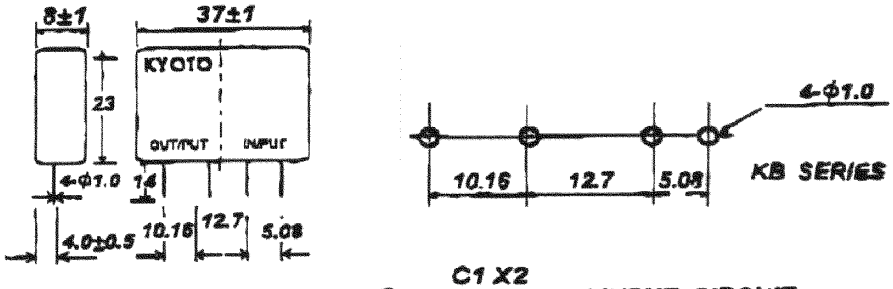


SPECIFICATIONS

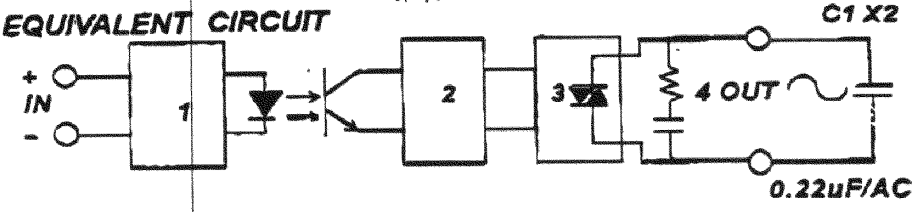
3 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	2A	24-280VAC	600VAC	LESS 5 mA	47-70HZ	20A
3 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	3A	24-280VAC	600VAC	LESS 5 mA	47-70HZ	40A
3 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	4A	24-280VAC	600VAC	LESS 5 mA	47-70HZ	50A
3 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	6A	24-280VAC	600VAC	LESS 5 mA	47-70HZ	60A

100 V/μ SEC	1.5VAC	10^9 ohm	4000 VACrms	—	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	10 g
100 V/μ SEC	1.5VAC	10^9 ohm	4000 VACrms	—	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	12 g
100 V/μ SEC	2.0VAC	10^9 ohm	4000 VACrms	—	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	12 g
100 V/μ SEC	2.0VAC	10^9 ohm	4000 VACrms	—	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	12 g

OUTLINE DIMENSIONS (unit:mm)

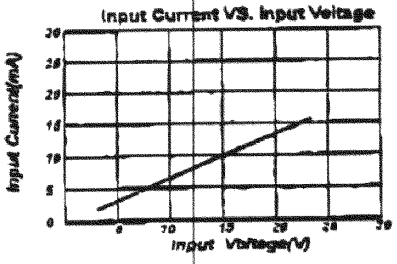


EQUIVALENT CIRCUIT



1.INPUT CIRCUIT
2.ZERO-CROSS CIRCUIT
3.OUTPUT CIRCUIT
4.PROTECTED CIRCUIT

CHARACTERISTIC CURVES



Attention:

In order to be in compliance with the EMC Directive an additional X2 capacitor at the output is required if the SSR is operated as single component. In case the SSR is incorporated in an appliance the existing EMI filter may provide the required EMI suppression. The X2 capacitor must be placed as close as possible to the output terminals. See also above.